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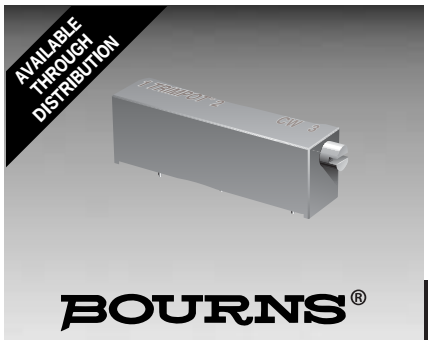


## Features

- 3/4 " Rectangular / Multiturn Cermet / Industrial / Sealed
- Low PC board profile - only 1/4 " high
- Panel mount option available
- Transparent housing available, can be set visually without hook-up and instrumentation ("P" style only)

# 3006 - Trimpot® Trimming Potentiometer

## Electrical Characteristics

Standard Resistance Range .....10 to 5 megohms (see standard resistance table)
Resistance Tolerance .....±10 % std. (tighter tolerance available)
Absolute Minimum Resistance .....1.0 % or 2 ohms max. (whichever is greater)
Contact Resistance Variation .....1.0 % or 1 ohm max. (whichever is greater)
Adjustability
Voltage.....±0.01 %
Resistance.....±0.05 %
Resolution.....Infinite
Insulation Resistance .....500 vdc. 1,000 megohms min.
Dielectric Strength
Sea Level.....1,000 vac
80,000 Feet.....250 vac
Adjustment Angle .....15 turns nom.

## Environmental Characteristics

Power Rating (400 volts max.)
70 °C .....0.75 watt
125 °C .....0 watt
Temperature Range....-55 °C to +125 °C
Temperature Coefficient ....±100 ppm/°C
Seal Test .....85 °C Fluorinert*
Humidity.....MIL-STD-202 Method 103 96 hours (3 % ΔTR, 20 Megohms IR)
Vibration.....20 G (2 % ΔTR; 2 % ΔVR)
Shock.....50 G (2 % ΔTR; 2 % ΔVR)
Load Life ...1,000 hours 0.75 watt 70 °C (4 % ΔTR)
Rotational Life.....200 cycles (3 % ΔTR; 1 % or 1 ohm, whichever is greater, CRV)

## Physical Characteristics

Torque .....5.0 oz-in. max.
Mechanical Stops.....Wiper idles
Terminals.....Solderable pins
Weight .....0.04 oz.
Marking .....Manufacturer's trademark, resistance code, terminal numbers, date code, manufacturer's model number and style
Wiper Positioning.....50 % nominal
Flammability .....U.L. 94V-0
Standard Packaging .....25 pcs. per tube
Adjustment Tool .....H-90

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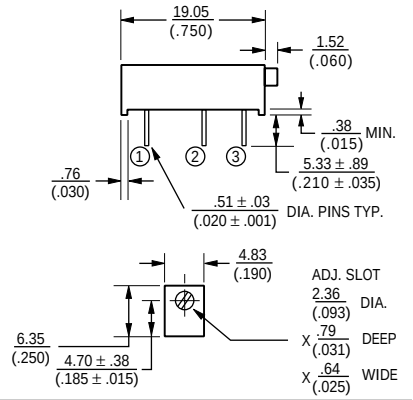
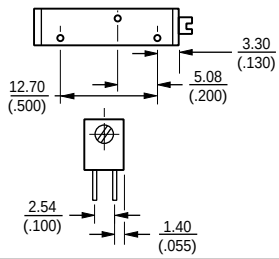
REV. 02/03

Specifications are subject to change without notice.

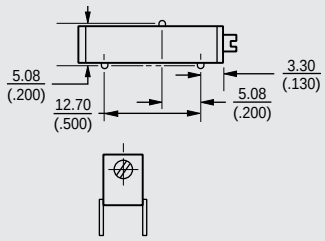
**Common Dimensions**



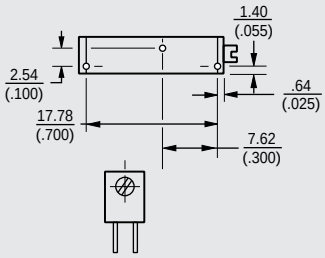

**3006P**

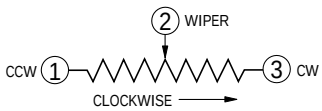



**3006W**




**3006Y**




TOLERANCES: ± 0.25 (.010) EXCEPT WHERE NOTED

DIMENSIONS ARE: MM / (INCHES)

## How To Order

**3006 P - 1 - 103 Z**

Model
Style
Standard or Modified Product Indicator
-1 = Standard Product
-7 = Transparent Housing
Resistance Code
Optional Suffix Letter
Z = Panel Mount (Factory Installed)

Consult factory for other available options.

## Standard Resistance Table

| Resistance (Ohms) | Resistance Code |
|---|---|
| 10 | 100 |
| 20 | 200 |
| 50 | 500 |
| 100 | 101 |
| 200 | 201 |
| **500** | **501** |
| **1,000** | **102** |
| **2,000** | **202** |
| **5,000** | **502** |
| **10,000** | **103** |
| **20,000** | **203** |
| **25,000** | **253** |
| **50,000** | **503** |
| **100,000** | **104** |
| **200,000** | **204** |
| 250,000 | 254 |
| 500,000 | 504 |
| 1,000,000 | 105 |
| 2,000,000 | 205 |

Popular values listed in boldface. Special resistances available.

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